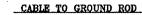
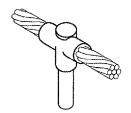


CABLE TO GROUND ROD





CABLE TO GROUND ROD

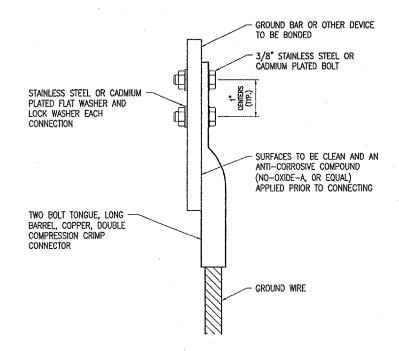


CABLE TO CABLE
HORIZONTAL PARALLEL TAP

## DETAIL NOTES

- EXOTHERMIC WELDS SHALL BE CADWELD AS MANUFACTURED BY ERICO PRODUCTS, SOLON, OHIO OR THERMOWELD AS MANUFACTURED BY CONTINENTAL INDUSTRIES, TULSA, OKLAHOWA. VERIFY PROPER SIZES, TYPES, AND REQUIREMENTS FOR THE RESPECTIVE APPLICATION WITH THE MANUFACTURER, AND INSTALL PER THEIR DIRECTIONS.
- 2. FOR APPLICATIONS TO METAL SURFACES THAT ARE LESS THAN 3/16" THICK CONTACT THE EXOTHERMIC WELD MANUFACTURER FOR DIRECTION AND INSTRUCTION ON EXOTHERMIC WELD INSTALLATION TO THE RESPECTIVE SURFACE
- 3. FOR APPLICATIONS TO GALVANIZED STEEL OR PAINTED STEEL, REMOVE GALVANIZING AND/OR PAINT & CLEAN THE SURFACE TO EXPOSE BARE STEEL BEFORE MAKING EXOTHERMIC WELD CONNECTION.
- 4. INDIVIDUAL GROUNDING ELECTRODE CONDUCTORS SHALL NOT BE INSTALLED IN METAL CONDUIT, INSTALL GROUNDING ELECTRODE CONDUCTORS IN SCHED 40 PVC CONDUIT AS REQUIRED IN FOUNDATIONS, FOR PROTECTION, WHERE ENTERING ENCLOSURES, ETC.

## EXOTHERMIC WELD DETAILS



2 HOLE LONG BARREL COMPRESSION LUG TABLE		
WIRE SIZE	BURNDY CAT, NO.	THOMAS & BETTS CAT. NO.
#6 AWG STRANDED	YA6C-2TC38	256-30695-1158
#2 AWG STRANDED	YA2C-2TC38	256-30695-1160
#1/0 AWG STRANDED	YA25-2TC38	256-30695-1162
#2/0 AWG STRANDED	YA26-2TC38	256-30695-1116
#3/0 AWG STRANDED	YA27-2TC38	54816BE

## NOTES

- 1. ALL CONNECTIONS TO GROUND BUS BAR SHALL BE WITH 2 HOLE TONGUE LONG BARREL COMPRESSION LUGS BOLTED TO THE BUS BAR.
- GROUND WIRE CONNECTIONS TO EQUIPMENT SHALL BE WITH 2 HOLE TONGUE LONG BARREL COMPRESSION LUGS BOLTED TO THE DEVICE OR WITH THE RESPECTIVE EQUIPT MANUFACTURER'S LUG OR TERMINAL WHERE APPLICABLE.
- 3. GROUNDING ELECTRODE CONDUCTORS, BONDING JUMPERS, & INDIVIDUAL GROUND WIRES SHALL NOT BE INSTALLED IN METAL CONDUIT.
- 4. ALL CONNECTIONS SHALL BE COATED WITH A CORROSION PREVENTATIVE COMPOUND (SANCHEM INC. NO-OX-ID "A-SPECIAL", OR APPROVED EQUAL) BEFORE JOINING. ALL COPPER BUS BARS SHALL BE CLEANED PRIOR TO MAKING CONNECTIONS TO REMOVE SURFACE OXIDATION. CLEAN SURFACES, OF RESPECTIVE DEVICES TO BE BONDED, TO BARE METAL, PER NEC 250-12.

## GROUNDING LUG CONNECTION DETAIL

LEGEND PLATE SCHEDULE		
DEVICE	. LABEL	
STEP-UP TRANSFORMER IN THE VAULT FOR THE RUNWAY 2 REILS	STEPUP XFMR RWY 2 REILS 240V TO 480V	
PRIMARY DISCONNECT FOR STEP-DOWN TRANSFORMER THAT SERVES THE RUNWAY 2 REILS	STEP-DOWN XFMR DISCONNECT, 480V FED FROM VAULT	
STEP-DOWN TRANSFORMER FOR THE RUNWAY 2 REILS	STEP-DOWN XFMR RWY 2 REILS 480V TO 120/240V	
SECONDARY DISCONNECT FOR STEP-DOWN TRANSFORMER THAT SERVES THE RUNWAY 2 REILS	RWY 2 REILS DISCONNECT 240 VAC	
STEP-UP TRANSFORMER IN THE VAULT FOR THE RUNWAY 2 PAPI	STEP-UP XFMR RWY 2 PAPI 240V TO 480V	
PRIMARY DISCONNECT FOR STEP-DOWN TRANSFORMER THAT SERVES THE RUNWAY 2 PAPI	STEP-DOWN XFMR DISCONNECT, 480V FED FROM VAULT	
STEP-DOWN TRANSFORMER FOR THE RUNWAY 2 PAPI	STEP-DOWN XFMR RWY 2 PAPI 480V TO 120/240V	
SECONDARY DISCONNECT FOR STEP-DOWN TRANSFORMER THAT SERVES THE RUNWY 2 PAPI	RWY 2 PAPI Disconnect 240 VAC	
SAFETY SWITCH AT RUNWAY 27 PLASI	RWY 27 PLASI 120 VAC FED FROM VAULT	

NOTE: LEGEND PLATES SHALL BE WEATHERPROOF ENGRAVED PLASTIC OR PHENOLIC MATERIAL, 1/4" HIGH WHITE LETTERS ON A RED BACKGROUND UNLESS NOTED OTHERWISE. SECURE WITH WEATHERPROOF ADHESIVE OR MACHINE SCREWS. FURNISH ADDITIONAL LEGEND PLATES WHERE REQUIRED BY CODE, FOR ADDITIONAL EQUIPMENT, AS DETAILED HEREIN ON THE PLANS, AND AS NOTED IN THE SPECIAL PROVISION SPECIFICATIONS.

DK050 Y



BOOK E-504.DWG

BOOK NO SCALE

RE 12/02/05

RYOUT KAL 03/21/06

DAINING ANY 03/21/06



RUNWAY END 2

27

27 of 224 sheets

APR 07, 2006 10:09 AM BAK